

中国大戟科植物志资料(三)

张永田

(福建省亚热带植物研究所, 厦门)

MATERIAE AD FLORAM EUPHORBIACEARUM SINENSIIUM (III)

CHANG YONG-TIAN

(Institutum Botanicum Subtropicum Fujianense, Xiamen, Fujian Provincia)

Key words Euphorbiaceae; *Croton*

关键词 大戟科; 巴豆属

巴豆属 *Croton* L.

本属已知约 750 种, 广布全球热带、亚热带地区。我国约有 23 种。

1. 越南巴豆

Croton kongensis Gagn. in Bull. Soc. Bot. Fr. **58**: 555, 1922; Croiz. in Journ. Arn. Arb. **21**: 500, 1940; Airy Shaw in Kew Bull. **26**: 247, 1972. — *C. tonkinensis* sensu Chun et C. C. Chang in Fl. Hainan. **2**: 145, 1965, non Gagnep.

作者曾在越南河内见到栽培于药圃与 Gagnepain 记载特征一致的 *Croton tonkinensis* Gagnep. 叶狭披针形, 长 3—6cm, 宽 1—1.5cm, 顶端长渐尖, 基部短尖至近圆形, 除叶形狭小外, 与越南巴豆不易区别, 可能是越南巴豆的一个特殊的小叶类型, 因此, Airy Shaw 把后者归入越南巴豆是有道理的。然而, 分布于云南、广西及海南岛的越南巴豆中, 我们尚没有看到如 *C. tonkinensis* Gagnep. 那种小叶类型的标本。

2. 大麻叶巴豆 新种

Croton damayeshu Y. T. Chang, sp. nov.

A *C. tiglio* L. foliis majoribus (10—) 14—20 (—30) cm longis, 7—10 (—14) cm latis, petiolis apice glandulis binis magnis patelliformibus munitis, floribus 3—5 (—9) in fasciculos densos cymiformes (fem. aliquot inter mas. tantum e basi) constipatis in rhachibus racemorum dispositis differt.

Arbuscula usque ad 7 m alta, ramulis juvenilibus foliisque parce stellato-tomentellis glabrescentibus, ramis glaberrimis. Folia chartacea, ovata vel elliptica, (10—) 14—20 (—30) cm longa, 7—10 (—14) cm lata, apice acuta vel acuminata, ipsa interdum

caudata, basi late cuneata vel subrotunda, aliquando basi glandulis binis parvis praedita, margine serrulata, utrinque subconcolora, adulta glabra, e basi 3-nervia (nervulo submarginali tenui neglecto) vel leviter triplinervia, nervis lateralibus ad $1/2$ — $2/3$ laminam ascendentibus ceterisque utrinsecus 5—6; petiolo 4—10(—14) cm longo, apice glandulis patelliformibus 2 insigni. Racemi terminales singuli elongati ascendentes, usque 15 cm longi, fere glabri vel laxissime stellato-puberuli mox glabri, bracteis ovato-linearibus 1—3 mm longis deciduis, floribus 3—5(—9) dense fasciculatis, fasciculis secus rachem racemorum sparse dispositis basalibus 3(—5)-floris, hic floribus medianis fem.; pedicellis in fl. mas. 2—4 mm longis tenuibus fere glabris, in fem. c. 2 mm longis, robustis dense stellato-tomentellis; sepalis 5, 1.5—2 mm longis apice fasciculate lanatis; petalis 5 sepalis aequimagnis intra lanatis extra glabris; ovario in fl. fem. dense fulvotomentoso, stylis 3, bilobis linearibus nigrescentibus glabris. Fructus c. 2 cm longus, 1.8 cm latus, laxe adpresse stellato-tomentellus; seminibus ellipticis 1.4—1.6 cm longis, c. 1 cm latis, leviter convexo-reticulatis glabris.

Yunnan: Yuanyang, Fangchunling, prope vicum, alt. 1200 m, Luchun Exp. 1864 (Typus, PE). Jinping, in sylvis humidis, P. I. Mao 352; Jianshui, ad margines viae, alt. 1600 m, H. T. Tsai 53294; Mengla, prope vicum, alt. 1400 m. C. W. Wang 80779.

本种与巴豆相近,但叶较大,长(10—)14—20(—30)cm,宽7—10(—14)cm,叶柄顶端有2枚盘状腺体;总状花序长达15cm,花3—5(—9)朵成簇,散生于花序轴上,基部数花簇仅3(—5)花,中间1朵为雌花,易于识别。

云南:元阳,逢春岭,村旁,海拔1200m,绿春队1864(模式,PE);金平,毛品—352;建水,蔡希陶53294;勐腊,王启无80779。

3. 淡紫毛巴豆 新种 图1

Croton purpurascens Y. T. Chang, sp. nov.

Species affinis *C. tiglio* L. a quo ramulis, petiolis et pedunculis pedicellisque laxè purpureo-fusco vel rubiginosis ceraceis stellato-pilosis, foliis juvenalibus in sicco nigrescentibus recedit.

Frutex erectus 1—2 m altus. Ramuli cum petiolo laxi purpureo-fusci vel rubiginosi ceracei stellato-pilosi, deinde glabri cinerascetes. Folia chartacea oblongo-elliptica vel elliptico-ovata 9—12.5 cm longa, 3—5 cm lata, apice acuta vel acuminata, basi subrotunda, margine integra, juvenales (in sicco saepe nigrescentes) utrinque secus costas et venas purpureo-fusca vel rubiginosa ceraceo-stellato-pilosa, mox glabra, e basi 3-nervia, nervis 2 basalibus ad $1/2$ vel $2/3$ laminae attingentibus, secundariisque utrinsecus 3—4 prope marginem anastomosantibus; petiolo 1.5—5 cm longo, apice glandulis leviter stipitatis patelliformibus 2 insignito. Racemi terminales singulares erecti cum pedunculo 1—2 cm longo 7—11 cm longi, purpureo-fusci vel rubiginosi ceracei laxè stellatopilosi, floribus fem. 4—6 infra racemum insertis, sepalis 5, oblongo-ellipticis c. 2.5 mm longis, glabrescentibus vel vix glabris, ovario dense fulvo-tomentoso, stylis 3, liberis didymis



图1 淡紫毛巴豆 *Croton purpurascens* 1.花枝 flowering branch; 2.雌花 female flower; 3.果 fruit; 4.嫩枝(放大) a part of young shoot; 5.叶背(放大) lower surface of leaf.
(邓晶发绘)

linearibus nigrescentibus glabris; pedicello nec ultra 2 mm longo, floribus mas. multis super racemum insertis. in alabastro ovatis c. 1.5 mm diam. praeter apicem pilosum glabrescentibus. Fructus haud visus.

Guangdong: Ruyuan, in sylvis prope marginem ad vallem, 1933 Majo 14, Ko S. P. 52603 (Typus, SCBI); Yangshan, in valle et colle ad rupes, alt. 800 m, 1956 Jun. 18, Teng L. 1507.

本种与巴豆相近,但嫩枝、叶柄及花序被淡紫褐色或带红色腊状星状柔毛;嫩叶干后变黑色,叶薄革质,易于识别。

广东:乳源,山谷林缘,1933年5月14日,高锡朋 52603(模式);阳山,邓良 1507。

4. 石山巴豆

Croton euryphyllus W. W. Sm. in Not. Roy. Bot. Gard. Edinb. **13**: 159, 1921; Croiz. in Journ. Arn. Arb. **21**: 500, 1940. — *C. caudatifolius* Hand.-Mazz. in Anzeig. Akad. Wiss. Wien **62**: 225, 1925. — *C. cavaleriei* Gagnep. in Bull. Soc. Bot. Fr. **68**:

550, 1921; S. Lee et F. N. Wei in *Guihaia* 2(3): 130, Pl. 2, 1982.

分布于广西、贵州西南部、云南东部至北部及四川西南部。在干旱的石灰岩山地习见。

5. 延辉巴豆 新种

Croton yanhuii Y. T. Chang, sp. nov.

C. yunnanensi W. W. Sm. primo aspectu maxime simile, sed differt foliis per totam superficiem parce stellato-tomentosis (in illo praeter nervos leviter pilosos glabris), fructibus dense ceraceis farinosis (in illo stellato-tomentosis).

Frutex vel arbuscula (e coll.) ad 5 m alta. Rami hornotini dense ceracei farinosi, biennes glabri. Folia ovata raro ovato-elliptica, cum petiolis 8—12 cm longa, 4.5—6.5 cm lata, apice acuminata, basi subrotunda raro subtruncata, juvenalia utrinque dense stellato-tomentosa, adulta supra parce stellato-tomentosa, subtus ad instar juvenalium dense simpliciter et stellato-tomentosa, e basi 3-nervia (nervulo submarginali tenui neglecto), nervis lateralibus utrinsecus 3—5, ascendentibus ante marginem anastomosantibus, supra leviter impressis; petioli 1—2(—2.5) cm longi, ut in ramis hornotinis dense ceraceis farinosi. Flores non vidi. Racemi fructiferi foliis breviores, 2—4 cm longi, in rhachidis 3—6 fructibus 3—6 subsessilibus (pedicellis 1—2 mm longis) secus rhachim dispositis. Capsulae subglobosae 1.2—1.4 cm longae, 1—1.2 cm diam., leviter bilobatae, dense ceraceo-farinosae, sepalis persistentibus utrinque pilosis, seminibus ellipticis, 7—9 mm longis, 5—6 mm latis, corrugatis opacis marmoratis.

Yunnan: Xishuangbanna, Jinghong, ad margines viae prope Hortum Yun. Inst. Trop. Bot., in fissuris rupium siccarum. 1961 Sept. 25, Li Yanhui 03587 (Typus, KUN).

本种初看起来很像云南巴豆,并与后者相混淆。本种叶通常卵形,稀卵状椭圆形,成长叶上面疏生星状绒毛,果外面密生腊质粉状物,宿存萼片两面被毛;云南巴豆叶外形一般较圆,成长叶上面无毛,果密被星状微绒毛,宿存萼片内面无毛,易于识别。

云南:西双版纳,景洪,李延辉 03587 (模式)。